

PATENT
Serial No. 10/527,119
Amendment in Reply to Office Action of September 12, 2006

IN THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A rotating data carrier, which can be processed in an apparatus having a motor for rotating the carrier and an angle measuring device for providing angular position of a rotary part of the motor, the angular position being used for commutation of the motor, wherein marks are placed on the carrier for determining the angular position by the measuring device, the marks being at least one of ~~continuous from a center of the carrier to a periphery of the carrier,~~ located at an a lateral edge of the carrier, ~~located at a periphery of the carrier,~~ and notches.

2. (Previously Presented) The data carrier as claimed in claim 1 wherein the marks are formed by, at least, a zone placed on the carrier.

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3. (Previously Presented) The data carrier as claimed in claim 1, wherein the data carrier is an optical disc.

4. (Previously Presented) The data carrier as claimed in claim 1, wherein the marks have a rectangular form.

5. (Previously Presented) The data carrier as claimed in claim 1, wherein the marks have a sector form.

6. (Previously Presented) The data carrier as claimed in claim 1, wherein the marks have a specific length with respect to data written on the carrier and have a reflectivity which is substantially similar to reflectivity of the data.

Claims 7-8 (Canceled)

9. (Currently Amended) The ~~A~~ data carrier as claimed in claim 1, which can be processed in an apparatus having a motor for rotating the carrier and an angle measuring device for providing

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angular position of a rotary part of the motor, the angular position being used for commutation of the motor, wherein a hole is provided in a dead zone of the carrier for cooperating with a pin placed on a rotating plate attached to said motor, so that the angular position of the ~~marks on the carrier~~ is determinable with respect to the rotary part of the motor.

Claim 10 (Canceled)

11. (Previously Presented) An apparatus for processing data contained in the data carrier as claimed in claim 1, wherein the apparatus comprises the angle measuring device configured to provide the angular position using said marks.

12. (Currently Amended) A method for measuring an angle of a data carrier comprising the acts of:

- putting marks on the data carrier;
- detecting the marks; and
- controlling rotation of the data carrier in accordance with a result of the detecting act;

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wherein the marks are at least one of ~~continuous from a center of the carrier to a periphery of the carrier~~, located at an a lateral edge of the carrier, ~~located at a periphery of the carrier~~, and notches.

13. (Currently Amended) A device comprising:

a motor configured to rotate a data carrier; and

a detector ~~configure~~ configured to detect marks on the data carrier for providing an angular position of a rotary part of the motor;

wherein the marks are at least one of ~~continuous from a center of the data carrier to a periphery of the data carrier~~, located at an a lateral edge of the data carrier, ~~located at a periphery of the data carrier~~, and notches.

14. (Previously Presented) The device of claim 13, wherein the marks have at least one a rectangular form and a sector form.

15. (Previously Presented) The device of claim 13, wherein mark lengths of the marks are different from data lengths data

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written on the data carrier.

16. (Previously Presented) The device of claim 13, wherein the marks have a reflectivity which is substantially similar to a reflectivity of data written on the data carrier.

17. (Previously Presented) The device of claim 13, wherein mark lengths of the marks are different from data lengths data written on the data carrier; the marks having a reflectivity which is substantially similar to a reflectivity of the data.

18. (Currently Amended) The A device of claim 13, comprising a motor configured to rotate a carrier; wherein a hole is provided in a dead zone of the carrier for cooperating with a pin placed on a rotating plate attached to the motor, so that the an angular position of the marks on the carrier is determinable with respect to the a rotary part of the motor.